APR 0 8 7006 Attorney Docket No. 62667 (49321)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Y. Sakamoto et al.

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Art Unit: 2861

U.S.S.N: 10/520,856

Examiner: Not yet assigned

FILED: January 10, 2005

FOR: INKJET HEAD, INKJET HEAD MODULE AND METHOD OF

PRODUCING INKJET HEAD

**CERTIFICATE OF MAILING** 

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop: Amendment, Commissioner for Patents, P.O. Box 1450, Arlington, VA 22313-1450 on March 31, 2006.

By:

Kathryn A. Grindrod

Mail Stop: Amendment Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

### TRANSMITTAL LETTER

Transmitted herewith for the information of the Examiner and filing in the file for the above-referenced patent application are the following documents:

- Form PCT/IB/338 NOTIFICATION OF TRANSMITTAL OF COPIES OF TRANSLATION OF THE PRELIMINARY REPORT ON PATENTABILITY
- 2. Form PCT/IB/373 INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
- 4. Form PCT/ISA/237 WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY w/English translation
- 3. This transmittal letter (1 page) (x2); and
- 4. Return Receipt Postcard

The Commissioner is hereby authorized to charge any fees that may be required in connection with this submission, or credit any overpayment to Deposit Account No. 04-1105. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: March 31, 2006

David A. Tucker, (Reg. No. 27,840)

EDWARDS ANGELL PALMER & DODGE, LLP

P.O. Box 55874

Boston, Massachusetts 02205 Telephone: 617-439-4444

Customer No. 21874

BOS2\_538107

## PATENT COOPERATION TREATY

To:

PCT/JP2004/003054

#### From the INTERNATIONAL BUREAU

## PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)
(PCT Rules 44bis.3(c) and 72.2)

KOMORI, Hisao 1-4-34, Noninbashi, Chuo-ku Osaka-shi, Osaka 540-0011 JAPON



Date of mailing (day/month/year)
23 February 2006 (23.02.2006)

Applicant's or agent's file reference 10713-SH-PCT

International application No.
PCT/JP2004/003054

1. Transmittal of the translation to the applicant.

IMPORTANT NOTIFICATION

International filing date (day/month/year)
10 March 2004 (10.03.2004)

Applicant

SHARP KABUSHIKI KAISHA et al

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

PG

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Masashi Honda

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 70 10

Form PCT/IB/338 (January 2004)

## PATENT COOPERATION TREATY

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 10713-SH-PCT	FOR FURTHER ACTION	See item 4 below
International application No. PCT/JP2004/003054	International filing date (day/month/year) 10 March 2004 (10.03.2004)	Priority date (day/month/year) 11 March 2003 (11.03.2003)
See relevant information in Form F	th edition unless older edition indicated) PCT/ISA/237	
Applicant SHARP KABUSHIKI KAISHA		

_						
1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis. 1(a).					
2.	This REPORT consists of a total	of 4 sheets, including this co	over sheet.			
	In the attached sheets, any refere to the international preliminary in	ence to the written opinion of report on patentability (Chapt	the International Searching Authority should be read as a reference er () instead.			
3.	This report contains indications	relating to the following item	s:			
	Box No. I	Basis of the report				
	Box No. II	Priority				
	Box No. III	Non-establishment of opin	nion with regard to novelty, inventive step and industrial			
	Box No. IV	Lack of unity of invention	•			
	Box No. V	Reasoned statement under applicability; citations and	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the international application				
	Box No. VIII	Certain observations on the international application				
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).					
		:				
		•	Date of issuance of this report 13 February 2006 (13.02.2006)			
	The International Burea		Authorized officer			
	34, chemin des Colo 1211 Geneva 20, Sw		Masashi Honda			

Telephone No. +41 22 338 70 10

Facsimile No. +41 22 740 14 35 Form PCT/IB/373 (January 2004) : )

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PA	TENT COOPER	ATION TREATY	እ		
From the INTERNATIONAL SEARCHING AUTHOR	RITY		(Jan		
To:			PCT PCT PUT		
		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
	·	(I	PCT Rule 43 <i>bis.</i> 1)		
,		Date of mailing (day/month/year)			
Applicant's or agent's file reference		FOR FURTHER ACTION			
10713-SH-PCT		See paragraph 2 below			
International application No.	International filing date (	day month year) Prio	rity date (day-month/year)		
PCT/JP2004/003054	10.03.2004	11.03.2003			
International Patent Classification (IPC) or both	national classification and	I IPC			
Applicam SHARP KABUSHIKI KAISH	łA				
This opinion contains indications relat	ting to the following items				
	•				
	оричон				
Box No. II Priority					
		regard to novelty, inventive step and industrial applicability			
Box No. V Reasoned sta	y, inventive step or industrial				
Box No. VI Certain docu	s supporting such statement				
Box No. VII Certain defe	cts in the international app	lication			
Box No. VIII Certain observations on the international application					
2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Eureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.					
written reply together, where approp	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.				
For further options, see Form PCT/IS		-			
3. For further details, see notes to Form I	PCT/ISA/220.				
N					
Name and mailing address of the ISA/IP		Authorized officer			
Facsimile No.		Telephone No.			

Form PCT/ISA/237 (cover sheet) (January 2004)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/003054

		PC0C00 (F00210 (.
Box	x No. I Basts of this opinion	
1.	With regard to the language, this opinion has been established on the basis of the international applicat filed, unless otherwise indicated under this item.	ion in the language in which it was
	This opinion has been established on the basis of a translation from the original language into the	following language
	. which is the language of a translation furnished for the purp	
	Rule 12.3 and 23.1(b)).	
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application invention, this opinion has been established on the basis of:	tion and necessary to the claimed
	a. type of material	
	a sequence listing	
	table(s) related to the sequence listing	
	b. format of material	
	in written format	
	in computer readable form	
	c. time of filing/furnishing	
	contained in the international application as filed.	
	filed together with the international application in computer readable form.	
	furnished subsequently to this Authority for the purposes of search.	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) furnished, the required statements that the information in the subsequent or additional copies is id filed or does not go beyond the application as filed, as appropriate, were furnished.	relating thereto has been filed or emical to that in the application as
4.	Additional comments:	
	• •	
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	•	٠
	•	

WRITTEN OPINION OF	THE
INTERNATIONAL SEARCHING	ATITHODITY

International	application N	0.	
PCT/	JP2004	/0030	54

_		_	NG AUTHORITY		PCT/JP2004/003	054
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, invent citations and explanations supporting such statement		tive step or industrial applicability;				
1.	Statement		ang seen statement			
	Novelty (N)	Claims 1	-10			VE
		Claims				YE NO
	Inventive step (IS)	Claims 1	10		• .	_
		Claims			· · · · · · · · · · · · · · · · · · ·	_ YE NO
	Industrial applicability (IA)	Claims 1	-10			
		Claims	10			YE NO
						_ NO
2.	Citations and explanations:					
	Document: US 2002/00	80214 A1 (H	IIGUCHI et al.) 2	?7. June, 2002	(27.06.02)	
	Document: JP 4-307254	A (SEIKO	EPSON CORPO	RATION) 29	October, 1992 (29.10.92)	
	Claims: 1-10				•	
	Any of the above-cited d	ocuments is	considered to pre	sent the gener	ral state of art.	
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		:.		•	•	
					•	
		•		•		

Form PCT/ISA/237 (Box No. V) (January 2004)